Lessard-Sams Outdoor Heritage Council

Minnesota Trout Unlimited Coldwater Fish Habitat Enhancement, Phase 8

Laws of Minnesota 2016 Accomplishment Plan

General Information

Date: 02/06/2023

Project Title: Minnesota Trout Unlimited Coldwater Fish Habitat Enhancement, Phase 8

Funds Recommended: $1,975,000

Legislative Citation: ML 2016, Ch. 172, Art. 1, Sec. 2, Subd. 5(e)

Appropriation Language: $1,975,000 the second year is to the commissioner of natural resources for an agreement with Minnesota Trout Unlimited to restore or enhance habitat for trout and other species in and along cold water rivers, lakes, and streams in Minnesota. A list of proposed restorations and enhancements must be provided as part of the required accomplishment plan.

Additional Legislative Changes: ML 2021, First Sp Session, Ch. 1, Art. 1, Sec. 2, Subd. 10 Carryforwards (b) The availability of the appropriations for the following projects is extended to June 30, 2023: (2) Laws 2016, chapter 172, article 1, section 2, subdivision 5, paragraph (e), for Minnesota Trout Unlimited Coldwater Fish Habitat Enhancement and Restoration - Phase VIII; EFFECTIVE DATE. Subdivision 10 is effective retroactively from July 1, 2019, for projects funded under Laws 2016, chapter 172.

Manager Information

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Location Information

County Location(s): St. Louis, Lake, Benton, Fillmore, Wabasha, Beltrami, Scott, Winona, Houston, Hubbard and Olmsted.

Eco regions in which work will take place:

- Northern Forest
- Forest / Prairie Transition
- Metro / Urban
- Southeast Forest

Activity types:

- Enhance

Priority resources addressed by activity:

- Habitat

Narrative

Abstract

Minnesota Trout Unlimited volunteers and partners will enhance habitat for fish and wildlife in and along priority coldwater streams located on existing Aquatic Management Areas and existing public lands statewide, accelerating efforts to reduce the backlog of degraded public resources.

Design and Scope of Work

Addressing degraded habitat on exiting public easements, public lands and in public waters.

Minnesota's remaining coldwater streams are under increasing threats. While they are often the highest quality aquatic systems remaining in the state, and prized by both anglers and the general public because of this, many have badly degraded habitat. Given their relatively scarcity, being just six percent of total stream and river miles, this is a conservation issue of statewide importance that requires accelerated investment in projects which enhance or restore this habitat.

Minnesota Trout Unlimited ("MNTU") proposes to improve degraded habitat on numerous priority streams located on existing Aquatic Management Areas and other permanently protected land and in public waters around the state. Our members have demonstrated the capacity to complete these projects with Fiscal Year 2017 funding from the Outdoor Heritage Fund ("OHF"). MNTU respectfully proposes to partner with the Lessard-Sams Outdoor Heritage Council and the citizens of Minnesota to enhance habitat in and along the following public waters (in these counties):

1. Keene Creek (St. Louis)

2. Stewart River (Lake)

3. Clearwater River (Beltrami)

4. Little Rock Creek (Benton)

5. Eagle Creek (Scott)

6. West Indian Creek (Wabasha)

7. Wisel Creek (Fillmore)

8. Money Creek (Winona)

9. Numerous other streams (prioritized list)

Individual project descriptions are provided in an attachment.

Goals and scope of work.

The goals of each project are to increase the carrying capacity and trout population of the stream, increase angling access and participation, improve water quality and provide other benefits to aquatic and terrestrial wildlife. FY 2017 funded projects will use methods similar to those used on successful projects recently completed by MNTU chapters. MNTU will leverage our experience to optimize project design and implementation.

In consultation with professionals within the Minnesota Department of Natural Resources ("MNDNR"), MNTU will use the best available stream restoration and coldwater aquatic science to select specific habitat improvement methods for each stream that reflect the distinct characteristics of the watershed and ecological region, address the specific limiting factors (e.g. spawning substrate, adult cover, invertebrate production, etc.), and account for the land use practices.

Objectives: Each project will accomplish one or more of these objectives: (a) increase adult trout abundance, (b) reduce stream bank erosion and associated sedimentation downstream, (c) reconnect streams to their floodplains to reduce negative impacts from severe flooding, (d) increase natural reproduction of trout and other aquatic organisms, (e) increase habitat for invertebrates and non-game species, (f) improve connectivity of habitat along aquatic and riparian (terrestrial) corridors, (g) improve angler access and participation, and (h) protect productive trout waters from invasive species.

Methods: Habitat enhancement methods typically include: (1) sloping stream banks back to both remove streamside sediments that have previously been transported from uplands areas and better reconnect the stream to its floodplain, (2) removing shallow rooted woody vegetation (invasive box elder, buckthorn, etc.) to enable removal of accumulated sediments, reduce competition with desirable plant and grass species, and allow beneficial energy inputs (sunlight) to reach the streams, (3) stabilizing eroding stream banks, (4) installing overhead bank

and other in-stream cover for trout, (5) utilizing soil erosion prevention measures, (6) seeding exposed banks and taking steps to firmly establish vegetation (including using native prairie grasses where appropriate and feasible), (7) improving angling accessibility, (8) fencing riparian corridors where appropriate to facilitate managed grazing and prevent damage from over-grazing, (9) restoring large cover logs to the channels of Northern forested streams to increase deep pool habitat, and (10) planting long lived trees along Northern forested streams to shade and cool the water, and provide a source of future cover logs.

These actions directly enhance physical habitat, and typically increase overall trout abundance, the number of larger trout, and levels of successful natural reproduction. Additional benefits, typically extending many miles downstream from the project, include reduced erosion and sedimentation, cooler water temperatures, improved water quality, and increased connectivity of aquatic and riparian habitat corridors.

How priorities were set.

MNTU focuses on those watersheds likely to continue to support viable, fishable populations of naturally reproducing trout and steelhead fifty years and more from now. Work is done only where degraded habitat is a limiting factor for a quality, sustainable fishery. Priority locations are determined using MNTU members' extensive knowledge of the watersheds, MNDNR management plans and surveys, other habitat and conservation planning efforts, consultations with MNDNR professionals, and science based criteria. All things being equal, we consider the potential to draw new anglers outdoors, increase public awareness of the threats facing coldwater fisheries and watersheds, engage landowners and residents in conservation, foster partnerships, and increase public support for OHF projects.

Urgent conservation opportunities.

The targeted stream segments are currently providing limited habitat and clean water benefits, angling opportunities, or other enticements which increase outdoor recreation and encourage public appreciation and stewardship of aquatic ecosystems. By creating productive fisheries in visible and accessible areas, these projects will increase citizens' use of our coldwater ecosystems, tangibly re-connect Minnesotans to the land and water, foster understanding of threats to them, and motivate citizens to advocate for watershed and water quality improvements.

Stakeholder support.

We continue to receive strong support for these projects from landowners, rural communities (especially since most funding pays local contractors and suppliers for direct construction expenses), and local civic and sporting organizations. We will continue to gather local input and develop partnerships in the planning and implementation stages. Landowners typically become very enthusiastic partners, working side-by-side with TU volunteers, donating materials, and helping secure additional conservation funding.

All outputs in acres and stream miles will be achieved within the overall budget, although individual project budgets and budget numbers by category are estimates only. One of the three Southeast MN projects has been reduced due to reduced budget, but outputs and parcels remain on tables for now. Construction efficiencies and leveraging other funds will likely permit us to lengthen work on listed streams and add habitat projects on additional streams. Leverage amounts are hopeful estimates only.

How does the request address MN habitats that have: historical value to fish and wildlife, wildlife species of greatest conservation need, MN County Biological Survey data, and/or rare, threatened and endangered species inventories?

The projects will restore degraded habitat in and along streams and rivers which historically supported naturally reproducing trout and steelhead populations enjoyed by generations of anglers. In the process, corridors of habitat will be reestablished for numerous other aquatic, terrestrial and avian wildlife species.

Describe the science based planning and evaluation model used:

MNTU reviews MNDNR watershed specific fisheries management plans and other conservation planning efforts, consults with MNDNR managers, and applies ranking criteria developed by the MNDNR. Projects must also have the potential to increase the carrying capacity (fish numbers), the streams have natural reproduction, and the public have access to them.

Which two sections of the Minnesota Statewide Conservation and Preservation Plan are most applicable to this project?

- H3 Improve connectivity and access to recreation
- H6 Protect and restore critical in-water habitat of lakes and streams

Which two other plans are addressed in this program?

- Long Range Plan for Fisheries Management
- Strategic Plan for Coldwater Resources Management in Southeastern Minnesota

Which LSOHC section priorities are addressed in this program?

Forest / Prairie Transition

- Protect, enhance, and restore wild rice wetlands, shallow lakes, wetland/grassland complexes, aspen parklands, and shoreland that provide critical habitat for game and nongame wildlife

Metro / Urban

- Enhance and restore coldwater fisheries systems

Northern Forest

- Protect shoreland and restore or enhance critical habitat on wild rice lakes, shallow lakes, cold water lakes, streams and rivers, and spawning areas

Southeast Forest

- Protect, enhance, and restore habitat for fish, game, and nongame wildlife in rivers, cold-water streams, and associated upland habitat

Does this program include leveraged funding?

-

Non-OHF Appropriations

Year	Source	Amount
n/a	n/a - the proposed projects are all new stand alone projects	$0

How will you sustain and/or maintain this work after the Outdoor Heritage Funds are expended?

MNTU's coldwater aquatic habitat restoration and enhancement projects are designed for long-term ecological and hydraulic stability. Once in-stream work is completed and riparian vegetation well established, no significant maintenance is usually required in order to sustain the habitat outcomes for several decades. Reconnected floodplains allow floodwater to quickly spread out and dissipate energy, reducing the destructive impact of a flood. Flood waters typically flatten streamside vegetation temporarily and do not damage the in-stream structures. The tenfold increase in trout populations and threefold increase in large trout which are not uncommon following completion of a southeast Minnesota project, are gains which are sustainable through natural reproduction.

We anticipate that long-term monitoring of the integrity of the improvements will be done in conjunction with routine inspections and biological monitoring conducted by local MNDNR staff, MNTU members, or landowners as appropriate. This monitoring will not require separate OHF or other constitutional funding. In the event that there are other maintenance costs, potential sources of funding and volunteer labor include MNTU, MNDNR AMA maintenance funding, and other grant funds and organizations. MNTU volunteers will help provide long-term monitoring and periodic labor.

Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
periodic-every 5 years	MNDNR, AMA, MNTU, other	inspection	consultation with MNDNR	assist MNDNR with maintenance or seeking other funding

Activity Details

Requirements

If funded, this program will meet all applicable criteria set forth in MS 97A.056?
Yes

Will restoration and enhancement work follow best management practices including MS 84.973 Pollinator Habitat Program?
Yes

Is the restoration and enhancement activity on permanently protected land per 97A.056, Subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15 or on lands to be acquired in this program?
Yes

Where does the activity take place?

- AMA
- County/Municipal
- Public Waters
- State Forests

Land Use

Will there be planting of any crop on OHF land purchased or restored in this program?
No

Timeline

Activity Name	Estimated Completion Date
Begin project planning, design and permitting work following a July 2016 appropriation.	Begin July 2016
Begin habitat enhancements during 2017 fieldwork season following completion of design work, permitting approvals, and contracting.	2017 fieldwork season
Complete riparian and in-stream habitat enhancements.	By June 2021
Cutting, burning, and/or spot spraying of vegetatuion to ensure native grasses and other appropriate vegetation becomes well established.	Through summers of 2019 & 2020
Tree plantings in riparian corridors, typically in May-June, following completion of in-stream work.	By July 2020

Date of Final Report Submission: 11/01/2021

Availability of Appropriation: Subd. 7. Availability of Appropriation

Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the accomplishment plan approved by the Lessard-Sams Outdoor Heritage Council. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Unless otherwise provided, the amounts in this section are available until June 30, 2019. For acquisition of real property, the amounts in this section are available until June 30, 2020, if a binding agreement with a landowner or purchase agreement is entered into by June 30, 2019, and closed no later than June 30, 2020. Funds for restoration or enhancement are available until June 30, 2021, or five years after acquisition, whichever is later, in order to complete initial restoration or enhancement work. If a project receives at least 15 percent of its funding from federal funds, the time period of the appropriation may be extended to equal the availability of federal funding to a maximum of six years, provided the federal funding was confirmed and included in the first draft accomplishment plan. Money appropriated for fee title acquisition of land may be used to restore, enhance, and provide for public use of the land acquired with the appropriation. Public use facilities must have a minimal impact on habitat in acquired lands.

Budget

Budget reallocations up to 10% do not require an amendment to the Accomplishment Plan.

Totals

Item	Funding Request	Antic. Leverage	Leverage Source	Total
Personnel	$150,000	-	-	$150,000
Contracts	$923,000	$58,000	NRCS; USFW	$981,000
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	-	-	-	-
Easement Stewardship	-	-	-	-
Travel	$8,000	-	-	$8,000
Professional Services	$237,000	-	-	$237,000
Direct Support Services	$15,000	$15,000	TU	$30,000
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	$2,000	-	-	$2,000
Supplies/Materials	$640,000	$58,000	NRCS: USFW	$698,000
DNR IDP	-	-	-	-
Grand Total	**$1,975,000**	**$131,000**	**-**	**$2,106,000**

Personnel

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
Program manager	0.4	2.0	$50,000	-	-	$50,000
Watershed coordinator	0.1	2.0	$10,000	-	-	$10,000
Habitat enhancement staff	0.25	2.0	$90,000	-	-	$90,000

Amount of Request: $1,975,000
Amount of Leverage: $131,000
Leverage as a percent of the Request: 6.63%
DSS + Personnel: $165,000
As a % of the total request: 8.35%
Easement Stewardship: -
As a % of the Easement Acquisition: -

How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount?
The Miller Creek project was dropped and the scope of the Clearwater River project was reduced. The Wisel Creek was drastically scaled back, so that only design will be done with this round of funding.

Direct Support Services

How did you determine which portions of the Direct Support Services of your shared support services is direct to this program?

Federal Funds

Do you anticipate federal funds as a match for this program?
No

Output Tables

Acres by Resource Type (Table 1)

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	0	0
Enhance	0	0	0	123	123
Total	**0**	**0**	**0**	**123**	**123**

Total Requested Funding by Resource Type (Table 2)

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	-
Enhance	-	-	-	$1,975,000	$1,975,000
Total	**-**	**-**	**-**	**$1,975,000**	**$1,975,000**

Acres within each Ecological Section (Table 3)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	0	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0	0
Protect in Easement	0	0	0	0	0	0
Enhance	2	4	83	0	34	123
Total	**2**	**4**	**83**	**0**	**34**	**123**

Total Requested Funding within each Ecological Section (Table 4)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	-	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	-	-	-
Enhance	$65,000	$70,000	$1,085,000	-	$755,000	$1,975,000
Total	**$65,000**	**$70,000**	**$1,085,000**	**-**	**$755,000**	**$1,975,000**

Average Cost per Acre by Resource Type (Table 5)

Type	Wetland	Prairie	Forest	Habitat
Restore	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	-	-	-
Enhance	-	-	-	$16,056

Average Cost per Acre by Ecological Section (Table 6)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-

Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	-
Enhance	$32,500	$17,500	$13,072	-	$22,205

Target Lake/Stream/River Feet or Miles

10

Outcomes

Programs in forest-prairie transition region:

- Improved aquatic habitat vegetation ~ *Through surveys of fish, macro invertebrates and/or stream substrates.*

Programs in metropolitan urbanizing region:

- Improved aquatic habitat indicators ~ *Through surveys of fish, macro invertebrates and/or stream substrates.*

Programs in the northern forest region:

- Improved aquatic habitat indicators ~ *Through surveys of fish, macro invertebrates and/or stream substrates.*

Programs in southeast forest region:

- Rivers, streams, and surrounding vegetation provide corridors of habitat ~ *Through surveys of fish, macro invertebrates and/or stream substrates.*

Parcels

For restoration and enhancement programs ONLY: Managers may add, delete, and substitute projects on this parcel list based upon need, readiness, cost, opportunity, and/or urgency so long as the substitute parcel/project forwards the constitutional objectives of this program in the Project Scope table of this accomplishment plan. The final accomplishment plan report will include the final parcel list.

Parcel Information

Sign-up Criteria?
No

Explain the process used to identify, prioritize, and select the parcels on your list:

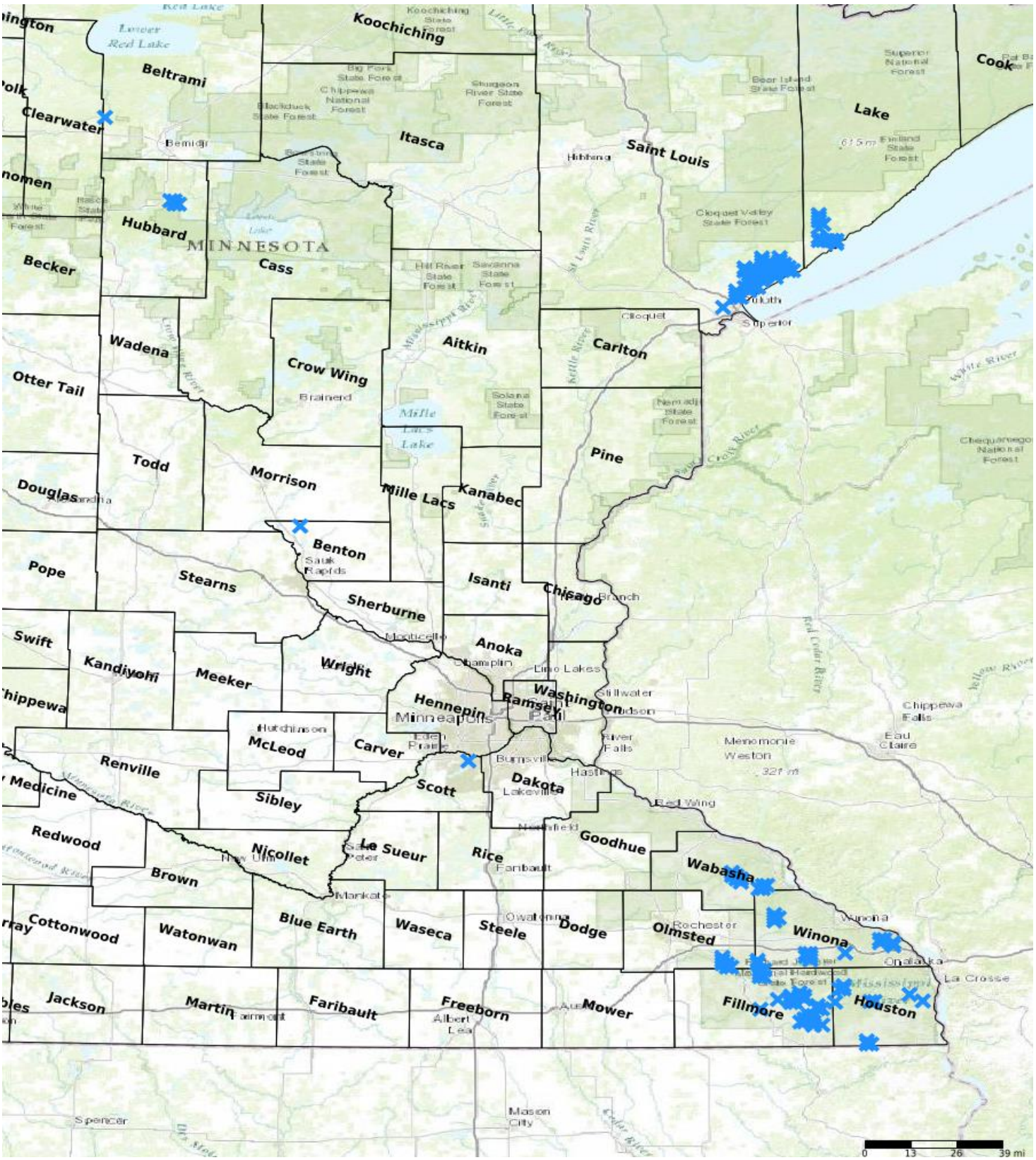
Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Clearwater River	Beltrami	14835231	1	$0	Yes
Little Rock Creek	Benton	03831210	4	$0	Yes
So Fork Root River	Fillmore	10209226	0	$0	Yes
Maple Creek	Fillmore	10208203	0	$0	Yes
Maple Creek	Fillmore	10208204	0	$0	Yes
Gribben Creek	Fillmore	10309228	0	$0	Yes
So Fork Root River	Fillmore	10208218	0	$0	Yes
Wisel Creek	Fillmore	10208232	0	$0	Yes
Maple Creek	Fillmore	10208234	0	$0	Yes
Maple Creek	Fillmore	10308233	0	$0	Yes
Wisel Creek	Fillmore	10208232	0	$0	Yes
Wisel Creek	Fillmore	10208229	0	$0	Yes
Camp Creek	Fillmore	10210205	0	$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309211	0	$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309213	0	$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309214	0	$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309224	0	$0	Yes
Duschee Creek	Fillmore	10310224	0	$0	Yes
So Fork Root River	Fillmore	10209224	0	$0	Yes
So Fork Root River	Fillmore	10209225	0	$0	Yes
Gribben Creek	Fillmore	10309216	0	$0	Yes
Gribben Creek	Fillmore	10309221	0	$0	Yes
So Fork Root River	Fillmore	10208219	0	$0	Yes
Gribben Creek	Fillmore	10309227	0	$0	Yes
So Fork Root River	Fillmore	10208217	0	$0	Yes
Sullivan Creek	Houston	10305213	0	$0	Yes
Wildcat Creek	Houston	10304228	0	$0	Yes
Bee Creek	Houston	10106233	0	$0	Yes
Bee Creek	Houston	10106232	0	$0	Yes
Bee Creek	Houston	10106229	0	$0	Yes
Girl Scout Camp Creek	Houston	10307230	0	$0	Yes
Badger Creek	Houston	10306228	0	$0	Yes
Badger Creek	Houston	10306227	0	$0	Yes
Daley Creek	Houston	10307205	0	$0	Yes
Daley Creek	Houston	10307204	0	$0	Yes
Daley Creek	Houston	10407233	0	$0	Yes
Kabekona Creek	Hubbard	14333202	0	$0	Yes

Kabekona Creek	Hubbard	14333211	0	$0	Yes
Kabekona Creek	Hubbard	14333203	0	$0	Yes
Kabekona Creek	Hubbard	14333212	0	$0	Yes
Stewart River	Lake	05411210	0	$0	Yes
Stewart River	Lake	05310219	0	$0	Yes
Stewart River	Lake	05310220	0	$0	Yes
Stewart River	Lake	05310229	0	$0	Yes
Stewart River	Lake	05311215	0	$0	Yes
Stewart River	Lake	05311222	0	$0	Yes
Stewart River	Lake	05310219	29	$0	Yes
Stewart River	Lake	05311224	0	$0	Yes
Stewart River	Lake	05411222	0	$0	Yes
Stewart River	Lake	05311223	0	$0	Yes
Stewart River	Lake	05411234	0	$0	Yes
Stewart River	Lake	05411226	0	$0	Yes
Stewart River	Lake	05411215	0	$0	Yes
Mill Creek	Olmsted	10512236	0	$0	Yes
Mill Creek	Olmsted	10512214	0	$0	Yes
Mill Creek	Olmsted	10512223	0	$0	Yes
Mill Creek	Olmsted	10512225	0	$0	Yes
Mill Creek	Olmsted	10512226	0	$0	Yes
Mill Creek	Olmsted	10511231	0	$0	Yes
Eagle Creek	Scott	11521218	2	$0	Yes
Lester River	St. Louis	05113216	0	$0	Yes
Sucker River	St. Louis	05212218	0	$0	Yes
Sucker River	St. Louis	05212219	0	$0	Yes
Sucker River	St. Louis	05212229	0	$0	Yes
Sucker River	St. Louis	05212230	0	$0	Yes
Sucker River	St. Louis	05212231	0	$0	Yes
Sucker River	St. Louis	05212232	0	$0	Yes
Sucker River	St. Louis	05212233	0	$0	Yes
Sucker River	St. Louis	05112204	0	$0	Yes
Sucker River	St. Louis	05112203	0	$0	Yes
French River	St. Louis	05213235	0	$0	Yes
French River	St. Louis	05213234	0	$0	Yes
French River	St. Louis	05213216	0	$0	Yes
French River	St. Louis	05213221	0	$0	Yes
French River	St. Louis	05213227	0	$0	Yes
French River	St. Louis	05213228	0	$0	Yes
Lester River	St. Louis	05214235	0	$0	Yes
Lester River	St. Louis	05114202	0	$0	Yes
Lester River	St. Louis	05114201	0	$0	Yes
Lester River	St. Louis	05114212	0	$0	Yes
Lester River	St. Louis	05113205	0	$0	Yes
Lester River	St. Louis	05113208	0	$0	Yes
Lester River	St. Louis	05113217	0	$0	Yes
Keene Creek	St. Louis	05015236	4	$0	Yes
Lester River	St. Louis	05113221	0	$0	Yes
Amity Creek	St. Louis	05114235	0	$0	Yes
Amity Creek	St. Louis	05014201	0	$0	Yes
Amity Creek	St. Louis	05113232	0	$0	Yes
Amity Creek	St. Louis	05113231	0	$0	Yes
Amity Creek	St. Louis	05113230	0	$0	Yes
Amity Creek	St. Louis	05114236	0	$0	Yes
Amity Creek	St. Louis	05114225	0	$0	Yes
Amity Creek	St. Louis	05114224	0	$0	Yes
Chester Creek	St. Louis	05014216	0	$0	Yes

Chester Creek	St. Louis	05014215	0	$0	Yes
Chester Creek	St. Louis	05014209	0	$0	Yes
Chester Creek	St. Louis	05014204	0	$0	Yes
Sucker River	St. Louis	05113201	0	$0	Yes
Sucker River	St. Louis	05113212	0	$0	Yes
Sucker River	St. Louis	05113213	0	$0	Yes
West Indian Creek	Wabasha	10911217	0	$0	Yes
West Indian Creek	Wabasha	10911208	0	$0	Yes
West Indian Creek	Wabasha	10911207	0	$0	Yes
West Indian Creek	Wabasha	10911206	0	$0	Yes
East Indian Creek	Wabasha	10910232	0	$0	Yes
West Indian Creek	Wabasha	10911221	0	$0	Yes
East Indian Creek	Wabasha	10910231	0	$0	Yes
East Indian Creek	Wabasha	10910229	0	$0	Yes
East Indian Creek	Wabasha	10910228	0	$0	Yes
West Indian Creek	Wabasha	10911216	0	$0	Yes
West Indian Creek	Wabasha	10911216	72	$0	Yes
Trout Run Creek	Winona	10410208	0	$0	Yes
Trout Run Creek	Winona	10410216	0	$0	Yes
Trout Run Creek	Winona	10410217	0	$0	Yes
Rush Creek	Winona	10508207	0	$0	Yes
Rush Creek	Winona	10508218	0	$0	Yes
Rush Creek	Winona	10508219	0	$0	Yes
Ferguson Creek	Winona	10508218	0	$0	Yes
Ferguson Creek	Winona	10509212	0	$0	Yes
Ferguson Creek	Winona	10509213	0	$0	Yes
Little Pickwick Creek	Winona	10605229	0	$0	Yes
Little Pickwick Creek	Winona	10605232	0	$0	Yes
Money Creek	Winona	10507209	11	$0	Yes
South Branch Whitewater River	Winona	10710211	0	$0	Yes
Trout Run Creek	Winona	10510219	0	$0	Yes
Pickwick Creek	Winona	10606223	0	$0	Yes
Pickwick Creek	Winona	10606224	0	$0	Yes
Pickwick Creek	Winona	10606226	0	$0	Yes
South Branch Whitewater River	Winona	10710213	0	$0	Yes
South Branch Whitewater River	Winona	10710214	0	$0	Yes
South Branch Whitewater River	Winona	10710223	0	$0	Yes
Trout Run Creek	Winona	10510230	0	$0	Yes
Trout Run Creek	Winona	10410204	0	$0	Yes
Trout Run Creek	Winona	10410205	0	$0	Yes

Parcel Map



- Protect in Easement
- Protect in Fee with PILT
- Protect in Fee W/O PILT
- Restore
- Enhance
- Other